

ATTACHMENT 1

Curriculum Vitae

Concetta Giuliani

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Austria

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Born: 17/01/1972

Nationality: Italian

EDUCATION

- 29/11/2004 University of Vienna (Austria)
Doctor degree in Genetics and Molecular Biology
Thesis - Isolation and characterization of Arabidopsis MAPK knockout mutants.
- 10/11/2000 University of Milan (Italy)
Master degree in Biology
Thesis - Maize embryo mutants: embryogenesis and programmed cell death.
- 07/1995 Primary school teaching graduation
- 07/1991 High school

RESEARCH & WORKING EXPERIENCES

- April 2011 **Scientific Manager**
To present Botanical Products International (BPI)
 Franz M Brenner
 Grub (Wienerwald), Austria)

Short description

BPI is a company producing a Papaya based product named CARICOL® (www.caricol.com) which supports digestion. I am responsible for:

- supervision and the coordination of clinical studies aimed to show the regulatory/stimulating capacity of CARICOL® on the digestive system;
- supervision of R&D;
- CARICOL® production quality control
- marketing of CARICOL® as a food supplement, functional ingredient and dietary supplement;
- contact with customers

- April 2009 **Lab Manager**
To April 2011 VIB (Flemish Institute of Biotechnology), Department of Human Genetics,
 KuLeuven (Leuven, Belgium)
 LMCB (Laboratory of Molecular Cancer Biology)
 Prof. Jean-Christophe Marine

Short description

When I joined the group, the lab was moving from the city of Ghent to the city of Leuven. During the first year I took care of setting up the new lab, which consisted in following the works, planning the organization of the working spaces, buying the necessary equipment etc.

I was in charge of the organization and the management (budgets) of the lab.

In more details my responsibilities consisted of taking contacts with companies for the purchase of goods and equipment, taking care of several databases (I created, organized and maintained them), holding contact with collaborators, coordinating together with the chief an European project involving six different partners (ONCOMIRS), following up Bio-safety and

Ethical Commission issues (the lab was a mouse genetics lab) and taking care of all general issues regarding the lab.
I also collaborated with a post-doc of the lab helping him with a project focused on Melanoma formation in mouse.

June 2007
to March 2009

Post-doctoral fellow

University of Vienna, Department of Plant Molecular Biology and INRA-CNRS, URGV (Unité de Recherche en Génomique Végétale), Evry, Paris (France)
Prof. Heribert Hirt

Topic: Epigenomics and MAP Kinase stress related signalling in Arabidopsis

Short description

I was involved in several projects related to the topic of MAPK protein signal transduction pathways in the model plant *Arabidopsis thaliana*.
During this time I worked in Paris where I gained expertise in RNA microarray technology and protein expression.

December 2004
May 2007

Post-doctoral fellow

University of Vienna, Department of Plant Molecular Biology
Prof. Erwin Heberle-Bors
Topic: MAPK signal transduction in Arabidopsis

Short description

The topic of my research was MAPK signal transduction pathways in the model plant *Arabidopsis thaliana*. Beside the research activities I also led and supervised a small team composed of one diploma and two Ph.D students. I was also responsible of the budget and of the reporting to the granting board.

During this time I generated several mutant lines by site-specific mutagenesis and overexpression. Specifically I generated Negative Dominant Mutants by changing the catalytic (ATP binding site) and the phosphorylation site, so that the MAPK protein could not be phosphorylated and therefore remained inactive. These constructs were used to transform Knock-out lines for the same protein in order to eliminate the interference of wt protein. The mutant lines were grown under normal and stress conditions and characterized by histological and molecular analysis (Southern blot, Western-blot, PCR, gene expression analysis using Q RT-PCR, Northern blot, *In situ* Hybridization, gene promoter characterization).

March 2001
November 2004

PhD Thesis

University of Vienna, Institute of Genetics and Microbiology
Prof. Erwin Heberle-Bors and Dr. Cathal Wilson

Short description

My Ph.D thesis was focused on the characterization of the MAPK signalling pathways in the model plant *Arabidopsis thaliana*. I isolated over ten Knock-out mutant lines for several MAPK proteins and characterized them at the molecular and phenotypical level. In minor projects I identified the substrate of a MAPK protein in the model plant *Nicotiana Tabacum* (this was the first MAPK substrate ever identified for this genetic system) and unveiled a full MAPK cascade by using the *in vitro* yeast two-hybrid screening.

October 2000
January 2001

Post-graduation fellow

University of Milan, Department of Biology
Prof. Francesco Sala

Topic: early diagnosis of virus infection in *Oriza sativa* by PCR; cell culture and micropropagation in apple trees.

University of Milan, Department of Plant Production

Prof. Giuseppe Gavazzi

Topic: genetic, molecular and histological characterization of embryogenesis mutant (*emb* and *abs*) in *Zea mais*.

October 1998
October 2000

Master degree Thesis

University of Milan, Department of Genetics and Microbiology
Prof. Silvana Dolfini

Short description

My master degree thesis was focused on the histological characterization of embryogenesis mutants (*emb* and *abs*) in the model plant *Zea mays*. In that study we could bring evidence that the suspensor in Maize embryo undergoes Apoptosis during embryogenesis.

PUBLICATIONS

- Stanko V., Sczaska K., Djamai A., Teige M., Heberle-Bors E., Wilson C., Giuliani C.* and Kragler F.* The MKK2/MPK10 MAP kinase Pathway modulates auxin induced vein pattern formation in *Arabidopsis thaliana*. Submitted
- Limmongkon A*. & Giuliani C.*, Valenta R., Mittermann I., Heberle-Bors E. Wilson C. 2004 MAP kinase phosphorylation of plant profilin, Biochem Biophys Res Commun 5:324(1):382-6
- Melikant B, Giuliani C., Halbmayr-Watzina S, Limmongkon A, Heberle-Bors E, Wilson C., 2004 The *Arabidopsis thaliana* MEK AtMKK6 activates the MAP kinase AtMPK13. FEBS Lett. 8; 576 (1-2): 5-8
- Giuliani C., Heberle-Bors E., Wilson C. 2003 The At4g11330 (AtMPK5) locus of *Arabidopsis thaliana* : updating the annotation, Plant Molecular Biology reporter 21:1-5
- Consonni G., Barbante A., Brettscheider R., Aspesi C., Dolfini S., Giuliani C., Giulini A., Hansen S., Pili R. and Gavazzi G. 2003 Analysis of three maize mutants arrested in early embryogenesis reveal an irregular pattern of cell division, Sexual Plant reproduction
- Giuliani C., Consonni G., Gavazzi G., Colombo M. and Dolfini S. 2002 Programmed Cell Death during Embryogenesis in Maize, Annals of Botany 90:1-6

* Equal contribution to the work

Corresponding author

COURSES

- FEBS course "Structural Variations in Genome, Gene Expression, Single Cell Analysis: Arrays, Beads, High-throughput Sequencing", 12-20 September 2008, Prague (Czech Republic)
- EMBO course 'Quantification of gene expression by Real-time qPCR', 28 May-2 June 2005 EMBL Heidelberg (Germany)
- EMBO course 'Plant development: molecular and cellular basis', 22 March-7 April 2004 Oeiras (Portugal)

SKILLS

Languages

<u>Italian</u>	Mother tongue		
	Spoken	Written	Read
<u>English</u>	Very good	Very good	Very good
<u>French</u>	Very good	Very good	Very good
<u>German</u>	Good	Good	Good
<u>Spanish</u>	Very good	Good	Very good
<u>Dutch</u>	Basic	Basic	Basic

IT

ECDL certificate
Good skilled in the use of the most common softwares (Office), database (End-note) and imaging software (Adobe Photoshop, Adobe InDesign, Adobe Photodraw etc) and bioinformatics software (alignment, prediction etc).

NON SCIENCE WORKING EXPERIENCES

November 1995- August 2000:

Substitute teacher in primary schools and children educator in summer schools.